



Operations Report

CDF Weekly Meeting

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Store Summary

Date	Store	Init L	Dur	Int L	Live L (e)	Phys L (e)
7/17	2795	23.9	8.1	522	409 (78%)	204 (39%)
7/18	2800	32.3	8.4	708	572 (81%)	565 (80%)
7/19	2801	26.9	18.7	1098	941 (86%)	859 (78%)
7/20	2803	31.9	19.3	1362	1248 (92%)	1248 (92%)
7/20	2805	9.3	1.7	37	24 (64%)	0 (0%)
7/21	2810	33.4	22.5	1420	1176 (82%)	1155 (80%)
7/22	2813	33.1	19.7	1379	1239 (90%)	1239 (90%)
7/23	2815	40.8	12.5*	1250	1150 (92%)	1150 (92%)
	Totals		110.9	7776	6859 (88%)	6420 (83%)



Detector Status

- **Main sources of downtime**
 - CMU hot channel - masked
 - BMU HV trips - fixed
 - L3/EVB problems – working to improve transitions
 - RC/RTserver spontaneously closing partion – investigating
- **Tests & special runs**
 - Silicon D-mode calibration
 - Tested PHYSICS_1_05[15,320,392]
 - Change to readoutlists to speeding up COT DAQ
 - Changes for SVT L1 prereq bits
 - Two SRC tests (~ store, 1 run with L00 & ISL readout)
 - L1 Done issue needs some thought
 - Cell Id mismatch analyzing offline



Accelerator Status

- **Bad Luck**
 - Lost two stores due to lightning
 - Two TeV Quenches
- **Improved performance in Linac & Proton source**
 - Improved stacking rate
 - More protons into TeV
- **Much better proton & anti-proton lifetime at 150 GeV**
 - Results of TeV studies and tuning over last few weeks
- **Still have significant losses on ramp**
 - Next target of study



Summary

- Recorded 6.8pb^{-1} (6.4pb^{-1}) of 7.7pb^{-1} delivered in past week – under goal of 90% efficiency
- Survived lightning strikes and TeV nearly back to early May performance
- Stack & Store
- Test & Study Requests – Beam or between stores
 - Email ops managers
 - Make request at 8am meeting